Aurora

New Product Catalog
2012 June Edition

View our complete product line on our website:

www.auroramm.com

About Us

Founded in 1997 by veterans of the audiovisual industry, Aurora Multimedia uses state-of-the-art technologies to define the cutting edge. Since the introduction of its IP-based control systems and touch panels, Aurora Multimedia has become a dominant force in the control system market. Advanced audio/video processors with features such as audio delay compensation, scaling, multi-image rotation and dual/quad display processing add to the highly-adaptive, diversified product line. Aurora Multimedia provides solutions for a variety of global markets including government, education, security, hospitality, corporate and house of worship.

From the start, Aurora Multimedia Corp. has striven to push the technology envelope. We do so by developing and manufacturing our products for markets looking for the most bang-for-the-buck. Compare our products to others and you will find that we are competitive and innovative. We take pride in our products which is why we offer a 3 year warranty. Please take a moment to look over our entire product line, get involved with our innovation and share in the excitement.

Contents

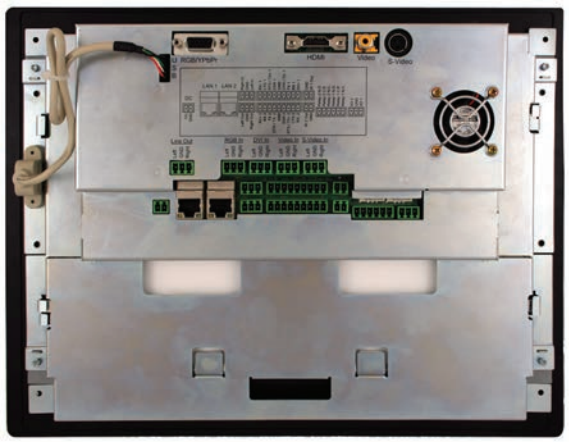
NXT-1313/1313V Touchpanels with Integrated Control System 1
NXT-1010/1010V/700/700V Touch Controllers 2
NXT-350/470 Touch Controllers 3
WACI PAD LCD and OLED Button Interfaces 4
LXB-200 Button Interface with LCD Display 5
NX Control Systems 6
LXC-200/LXC-18IR 7
WACI Nuggets 8
Software Solutions 9
TRACS Global Monitoring 10
DIDO Pro Multi-Window Video Processor 11
DIDO Jr./LT Video Wall Processors 12
V-Tune Pro HD Tuner 13
XMPC Xtreme Media PC 14
DXW-3 Wall Plate Extender 15
ASP-CATx1RS 16
DXE-CAT Extenders 17
DXE-CAT-S2L CAT Extender with Integrated Control 18
Aspyre Fiber an VGA CAT Extenders 19
Aspyre Audio Processor and Analog Switcher 20
Aspyre HDMI/DVI Splitters 21
DXE SDI/HDMI Converters 22
Aspyre HDMI/DVI Converters 23
Aspyre 4x4 HDMI Matrix 25
Aspyre 8x8 HDMI Matrix 26
DXP-122 Presentation Switcher 27
DXP-124 Presentation Matrix 28
Digital Xtreme 4x4 and 8x8 Card Cage Matrix 29
Digital Xtreme 16x16 and 32x32 Card Cage Matrix 30
Digital Xtreme Input/Output Cards 31
Digital Xtreme 24x24 SDI/HDMI Card Cage Matrix 32

Specifications published in this catalog are subject to change
For the latest product offerings, visit our website
www.auroramm.com

NxT 1330/1330V

Touch Panel Interface with Integrated Control System

new



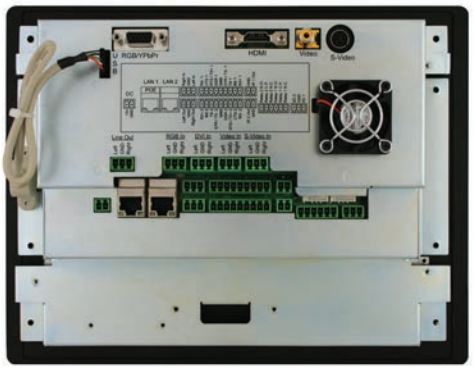
NXT-1313/NXT-1313V

The NXT-1313 is a revolutionary development that integrates a control system processor with multiple ports into a Web-based touch screen controller. The extremely versatile hybrid combines a spectacular 13.3-inch widescreen touch panel display with a fully loaded 32-bit 900-MIPS WACI engine. The touch controller includes an internal audio mixer to complete the solution. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 13.3" Color Touch with Integrated Control and Video Preview (NXT-1313V only)
- 1280x800 Resolution
- 500 nits(cd/m2) Brightness
- 140deg horizontal viewing angle, 120deg vertical
- 2 RS-232, 2 IR, 2 I/O, 2 Relay Control Ports
- 256MB Flash, 128MB DDR2
- HDMI™ and RGBHV/YPbPr Inputs (NXT-1010V only)
- S-Video and Composite Inputs (NXT-1010V only)
- Front IR Input Receiver for IR Remotes
- Full WACI NX Control Engine
- Integrated Web Server
- Audio Stereo Line In / Out
- Dual 10/100 LAN (POE on Port 1)
- Integrated Web Browser with Flash Lite
- Custom Backbox Available

NxT 1010/1010V 700/700V

Touch Panel Interface with Integrated Control System



NXT-700/NXT-1010 Series

The NXT-700/NXT-1010 series is a revolutionary development that integrates a control system processor with multiple ports into a Web-based touch screen controller. The extremely versatile hybrid combines a spectacular 7.0-inch or 10.1-inch widescreen touch panel display with a fully loaded 32-bit 900-MIPS WACI engine. The touch controller includes an internal audio mixer to complete the solution. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 7.0" or 10.1" Color Touch with Integrated Control and Video Preview (V Series only)
- 800x480 Resolution (NXT-700/700V), 1280x800 (NXT-1010/NXT-1010V)
- 300 nits(cd/m2) Brightness
- 170 degrees horizontal and vertical viewing angle
- 2 RS-232, 2 IR, 2 I/O, 2 Relay Control Ports
- 256MB Flash, 128MB DDR2
- HDMI™ and RGBHV/YPbPr Inputs (V Series only)
- S-Video and Composite Inputs (V Series only)
- Front IR Input Receiver for IR Remotes
- Full WACI NX Control Engine
- Integrated Web Server
- Audio Stereo Line In / Out
- Dual 10/100 LAN (POE on Port 1)
- Integrated Web Browser with Flash Lite
- Custom Backbox Available

NXT 350/470

Touch Panel Interface with Integrated Control System

NXT-350/470

NXT-350 and NXT-470 are hybrid in-wall touch panels. Just about anything in the room can be automated with its built in control ports and WACI engine. They also have line in/out audio for volume control and MP3 playback. Designed to fit in standard 2 or 3 gang electrical wall boxes. The NXT 350/470 will make any installation quick and easy. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 3.5" and 4.7" Color Touch with Integrated Control
- 320x240 and 480x272 Resolutions
- 2 RS-232, 1 IR, 1 I/O Control Ports
- 256MB Flash, 128MB DDR2
- Front IR Input Receiver for IR Remotes
- Audio Stereo Line In/Out
- Integrated Web Server
- Draws only 3.5 Watts (NXT-350) or 3.8 Watts (NXT-470) in Full Operation
- 10/100 LAN with POE
- Integrated Web Browser with Flash Lite
- Fits into Standard 2-Gang (NXT-350) and 3-Gang (NXT-470) Outlet Box

WACI PAD Series

Hybrid Button Interface with Built-in Controller

Shown with optional decor wall plates

WPAD 6L, 6C, 12, 12L 1RU

WACI-PAD is a very special and unique button panel. The buttons use micro display technology to provide multiple levels of interaction using accompanying software. Each button has the ability to morph into other buttons based on button presses or events taking place in the system. In addition, there is a built-in web server for remote IP control. The WACI-PAD 6 fits into a single and WACI-PAD 12 in a double gang electrical box. They both provide a comfortable, tactile and graphical user experience. With the built-in IR and Serial ports, the WACI PAD is the most innovative and functional control interface in the industry today. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 6 and 12 Button Multi-Layered LCD, or 6 Button OLED Interfaces
- 1 RS-232 and 1 IR/RS-232 (TX Only) Ports
- Internal Web Server
- 10/100 LAN with POE
- LCD Backlit Buttons Turn Red, Green & Orange and OLED Supports 56K Colors
- Allows WACI PAD Buttons to Become Hundreds
- Remote Firmware Upgrade Capable
- Dynamic Actions
- Fits in 1 Gang (PAD 6L and 6C) or 2 Gang (PAD 12) Electrical Box
- Free WPC (WACI PAD Creator) Software Tool

LXB-200

Button Interface with LCD display

LXB-200

The LXB Series is a new low cost button interface with LCD readout that sets a new standard for price and feature set. Thirteen buttons make up the face of the unit along with a high contrast negative film 128x64 LCD display. Each button can be backlit green or red to enhance user indication. Four buttons are for navigation, providing access to many layers of functionality. The other 4 buttons are for power, audio, input, and functionality selection. The 5 center buttons allow for volume, channel, selection, or navigation control. Each button can be programmed to do just about anything in relation to the LCD screen. An IR receiver is also present to allow control via an optional IR remote, adding even more flexibility and functions. All these features fit into a standard 2 gang electrical box and draws less than 2 watts. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 13 dimmable backlit buttons (Red/Green)
- IR Receiver (40ft Range)
- 128 x 64 dimmable Negative Film Backlit LCD display (Sunburst Yellow)
- LAN 10/100 (POE)
- 12vdc Power Connector
- 3 RS-232 ports (TX/RX)
- 2 IR Ports / 1 way RS-232 TX only
- 1 I/O port with A/D
- 2 Relay ports normally open
- 1 Audio Line in/out (Volume, Bass, Treble, and Audio Playback)
- IP Paging Feature (optional)

Nx Series

Next Generation IP Control Processors

WACI NX+/NX JR.

- Non-Proprietary IP Control System
- RS-232/422/485 & IR/RS-232 (TX Only)
- C-Type Relays & DSP (I/O, A/D, D/A)
- Dual 10/100 LAN
- Built in IR Learner and IR Input Port
- Add-on expansion units for future scalability
- Compact Flash slot for adding additional storage
- Front Control Panel with Integrated Display
- Internal Web Server

WACI NX-22

- Non-Proprietary IP Control System
- 2 RS-232/422/485 & 2 IR/RS-232 (TX Only)
- 2 C-Type Relays & 2 I/O
- Dual 10/100 LAN (POE on LAN 1)
- Built in IR Learner and IR Input Port
- Audio Stereo Line Input/Output
- Digital Audio Player (MP3, WAV, etc)
- Front Control Panel with Backlit LCD
- 1RU Single and Dual Rack Mounting
- USB Wireless Bluetooth® Voice-lift Option

LXC-200/LXC-18IR

IP Control Expansion Modules

new

LXC-200

The new LXC-200 combines all of the Nugget units in a single POE powered housing for room-based expansion including 3-serial, 2-IR/RS232, 2-relay and IO port for complete room expansion. Micro SD Slot card provides the ability for storing and serving up web-control pages for complete autonomous control.

- 3 Serial ports
- 2 IR/1-way Serial ports
- 2 Relays
- 1 I/O
- Power Over Ethernet (POE)
- Built in Web Server

LXC-18IR

The new LXC-18IR is an 8-port IR Expansion module for expanding Aurora Control Systems. Each of the 8-IR ports are independently addressable from Aurora NX/NXT control systems offering discrete control of any IR component. Perfect for hotel/hospitality, restaurants and digital signage applications.

- 8 IR Ports
- Power Over Ethernet (POE)
- Built in Web Server

WACI Nuggets

IP Control Expansion Modules

WACI NUGGET SERIAL, IR, RELAY, I/O

The WACI Nugget series are fully functional stand-alone remote access controllers with an internal web server built in. It also functions as a remote expansion port for the WACI series of IP-based control systems.

All WACI Nuggets feature a POE capable LAN port, and a MicroSD card slot for file and web page storage. Extremely small form factor combined with power over Ethernet capability allows for mounting in tight locations, with only a single cable run required. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- Low cost IP Based Extender
- Four Versions - Serial, IR, Relay, & I/O
- WACI Nugget Serial - 1 RS-232/422/485 port
- WACI Nugget IR - 1 IR output port, 1 A/D (for sync or current sensing)
- WACI Nugget Relay - 2 Relays ports
- WACI Nugget I/O - 2 Digital I/O ports
- Internal web server for storing control pages and other media
- Add Control Ports Anywhere on a Network

Software Solutions

Free Tools for Programming Aurora Controllers

YIPI 3.1

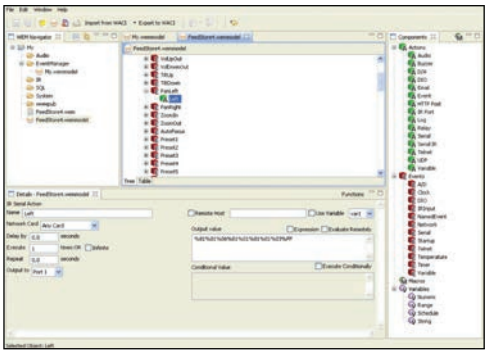
YIPI 3.1

- Free Touch / Web Panel Creator For WACI
- Create NXT & IBZ Touch Panel Pages
- Create Web Pages for Most Browsers
- Generates an HTML Interface that can be viewed in any Web Browser
- Drag and Drop Operations
- Easy to Use
- 2-Way Feedback
- Works with iPad®, iPod Touch®, & iPhone®

WOWE

WOWE
WACI OFFLINE WEM EDITOR

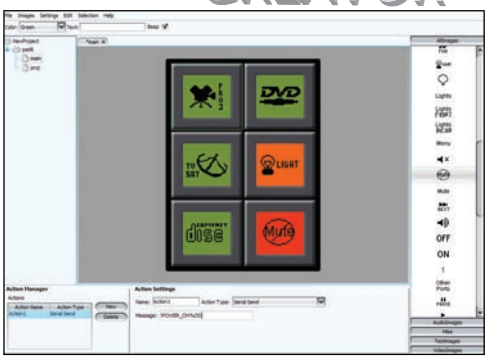
- Script Based Language
- WACI Control System Event Editor
- Drag and Drop Operations
- Creates WEM files for the WACI
- Speeds Development



WPC 2.1

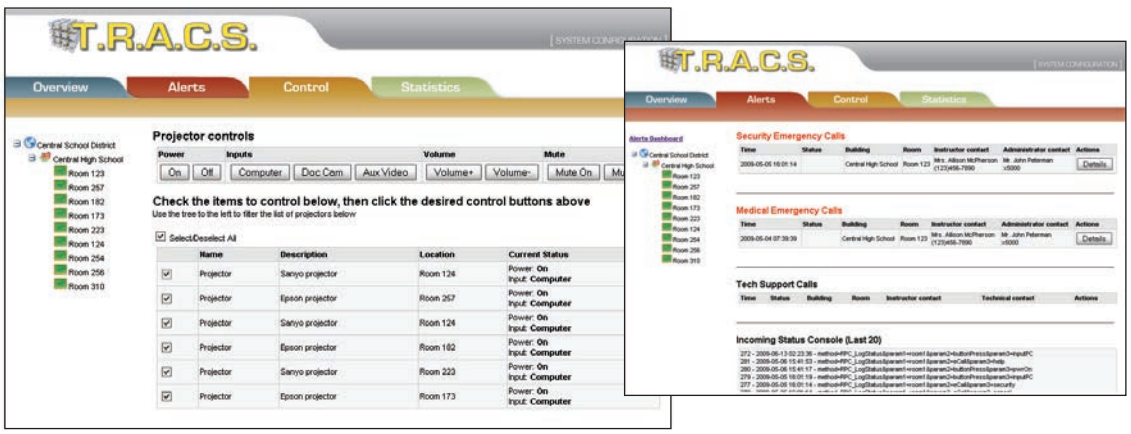
WACI pad CREATOR

- Create WACI PAD 6 and PAD 12 Graphics
- Create WACI PAD Scripts
- Drag and Drop Operations
- Library of Bitmap Images Ready to Use



TRACS

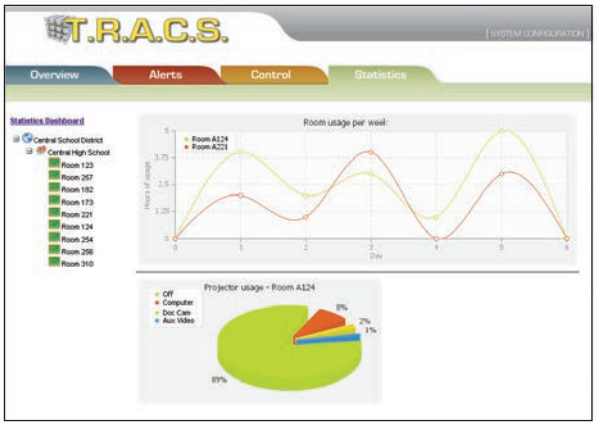
Global System Management Solution



TRACS

TRACS is an application written by Aurora Multimedia that allows monitoring of all classrooms in an entire school and/or district(s) and makes it possible for remote control, scheduling, reports, and alerts. TRACS is the backbone of multi-room installations. Designed from the ground up using PHP, TRACS will work with any PHP server allowing it to be run on Linux®, Windows®, and OS X® Servers. TRACS can communicate with any number of controlled devices and has no user limit due to its topology. In addition, TRACS utilizes a SQL database for efficient and secure management of your system data.

- Global Management Server
- Works on Linux®, Windows®, OS X® Servers
- System Overview
- Notification Alerts
- Selectable Room Control
- Usage and Alert Statistics
- Event Scheduling
- LDAP Multi-level Password Control
- Unlimited Users
- System Wide Firmware Updating



DIDO Pro

Multi-window Video Processor

DIDO PRO

The DIDO Pro is an extremely compact and powerful, multipurpose video processor. It is a high resolution, quad image scaler with the ability to rotate the displayed image windows in ninety degree increments.

DIDO Pro can show up to 4 high resolution/full motion images on a single display with great flexibility in any format. Up to 6 inputs can be selected using the included IR remote or serial control with Aurora's WACI NX or other high end control systems. Store up to 99 presets and link together multiple DIDOs for control via a single RS-232 port.

- Quad Image Window Processing
- Real-time Image Rotation
- In/Out Resolutions up to 1080p @ 60Hz
- 2 DVI (HDCP), 2 RGBHV / YPbPr Inputs
- 2 S-Video / Composite Inputs
- 1 DVI (HDCP), 1 RGBHV / YPbPr Outputs
- Translucent PIP modes
- Front Panel Control with LCD Display
- 1RU Rack Mountable
- RS-232 Control and Daisy-chainable

DIDO Jr./LT

Videowall and Image Rotation Processor

DIDO JR./LT

DIDO Jr. is the ideal video wall processor, and video image rotation engine. Integrators can design video walls with up to 64 monitors and the monitors can even be mounted in portrait position. DIDO Jr.'s image quality is visibly superior to much more expensive video wall processors and it gives any integrator the ability to produce a high quality video wall.

On-screen display menus make the DIDO Jr. a breeze to set up. Input and output resolutions are completely customizable to match the displays optimal resolutions. User presets allow for simple manipulation of the video wall. You can easily set it up to go from a single large image shown across all monitors to unique images on several groups of monitor.

- Videowall Processor
- Real-time Image Rotation (JR)
- In/Out Resolutions up to 1080p @ 60Hz
- 1 DVI (HDCP), 1 RGBHV / YPbPr Inputs
- 1 S-Video / Composite Inputs
- 1 DVI (HDCP), 1 RGBHV / YPbPr Outputs
- Standard Landscape Videowalls (LT), Portrait and Jigsaw Walls (JR)
- Front Panel Control with LCD Display
- IR Addressable Remote Control
- 1RU Rack Mount or Fits Behind the Display
- RS-232 Control and Daisy-chainable

V-Tune Pro HD

Digital, Analog, and IPTV Tuner

V-TUNE PRO HD

The V-Tune Pro HD delivers a total tuning solution for any integrated system, whether it requires legacy NTSC tuning or ATSC/QAM capability. The new tuner is also LAN addressable and IPTV ready, capable of decoding MPEG2, MPEG4, and H.264.

As with all Aurora Multimedia products, the VTune Pro HD is absolutely integrator-friendly. Intuitive RS-232 command sets provide reliable 2-way communication via traditional control systems, but it also provides IP-based control for networked arrays of these units. A host of video output ports will support composite video, component video, S-Video and HDMI. Audio will be supported with both unbalanced RCA connections and SPDIF coaxial digital audio. The VTune Pro HD defines versatility as it can be fit into nearly any integrated system typology.

- IPTV (RTP & UDP Streaming)
- NTSC / ATSC / QAM Tuning
- Supports H.264, MPEG-2, MPEG-4
- Dolby® Surround Sound
- Closed Captioning and V-Chip
- Streaming Input up to 1080p 24/30Hz
- Output Resolution up to 1080p
- Rack Mountable 1RU
- RS-232 / LAN Controllable
- Composite, S-Video, YPbPr, HDMI® Outputs
- Simultaneous Upscaling and Downscaling
- Built-in Web Control Interface

XMPC Xtreme Media PC

Multimedia PC

XMPC Xtreme Media PC

The XMPC is the perfect PC for digital signage and AV system integration. Designed and optimized for today's high performance multimedia applications in public display, training centers, NOC's, boardrooms, and classrooms. Integrate into podiums, instructor stations, kiosks, or AV equipment racks, locations where limited space and security are a concern. Also available in a 1RU enclosure. Either enclosure is available with an energy efficient Intel Atom processor or a high performance Intel Core processor. Various mounting options available (standard model).

XMPC Atom D525

- 1.8GHz Intel Dual-Core Atom D525 processor
- HDMI/DVI/VGA outputs (any 2 can be simultaneously active)
- 6 USB 2.0, 2 USB 3.0 ports
- Internal WiFi IEEE 802.11 b/g/n
- Hardware HD MPEG Accelerator for smooth playback
- 10/100/1000 LAN Port

XMPC Core i3

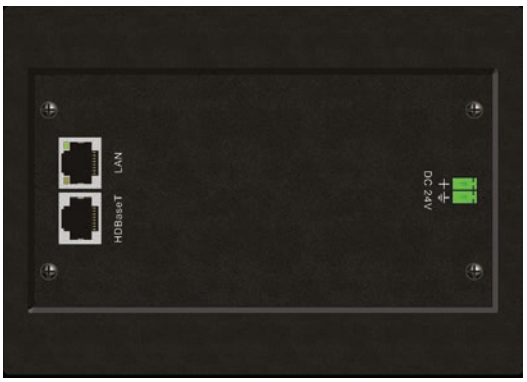
- Intel 2nd Generation Core i3 2120 processor (3.3GHz dual-core)
- HDMI/DVI-I, DisplayPort outputs, and LVDS Flat Panel Support
- 10 USB 2.0, 2 USB 3.0 ports
- 10/100/1000 LAN Port
- Solid State Disk eliminates any moving parts
- Intel HD Graphics

Custom configurations available upon request - Specifications subject to change

DXW-3

HDMI / VGA Wall Plate to HDBaseT Extender

new



DXW-3

The DXW-3 is a 3-gang multi-input wall plate with HDBaseT CAT extension.The unit accepts 2-HDMI/DVI inputs and 1-VGA input each with its own analog audio input. All signals are selectable via the front plate or via RS232 and passed over a single CAT cable up to 230ft (70m) using the latest HDBaseT technology. The new wall plates do not require a power supply as they are remotely powered from their compatible receiver units (DXE-CAT-RX, DXP-122 or DXP-124). The DXW-3's audio inputs are all embedded with their associated video signals and passed as 1080P HDMI over a single CAT5e/6 cable to the mating Receiver module. The DXW-3 also passes RS232 & IR signals over the same CAT cable and even boasts an IR Receiver on the front of the panel. VGA signals are converted to 1080P HDMI directly at the wall plate and HDMI inputs accept DVI as well. the DXW-3 is perfect for commercial, education, conference room and convention center applications.

- 2 HDMI Inputs with Audio for DVI
- 1 VGA with Audio Converted to HDMI
- 1 LAN Pass-through Connector
- 1 IR Sensor
- 3 Buttons for Source Selection
- HDBaseT 230ft (70m) Extension
- Remote or Local Power
- Sources Remote Selectable via RS-232
- Fits in Standard 3 Gang Outlet Box
- HDCP Compliant

ASP-CATx1RS

CAT Extender with IR and Serial Pass-through

new

ASP-CATx1RS

The ASP-CATX1RS HDMI over Single CAT Extender with IR Pass-through boosts your video/audio transmission distance up to 200ft (60m) in HDTV 1080i format, 130ft (40m) in HDTV 1080p format,(24 bit) and 65ft (20m) in HDTV 1080p with 36-bit color depth. ASP-CATx1RS also supports the most advanced 3D video format compliant with HDMI 3D Deep Color and therefore guarantees the highest 3D video compatibility on the market. With only one cost effective Cat.5/5e/6 cable, users can readily extend HDTV sources from DVD players, Blu-ray Disc player, PS3, PC, and any other kinds of sources compliant with TMDS to distant display monitors including HDMI or DVI enabled TV sets or LCD PC monitors.

With advanced design for the latest HDMI technology support including 3D, Deep Color as well as DTS-HD and Dolby TrueHD audio formats, extending components over greater distances is not only reliable but cost-effective.. In addition, ASP-CATx1RS is also equipped with bi-directional IR pass-through path. This bonus feature allows users to extend IR and Serial control with the HDMI video signal over a single CAT cable greatly reducing cabling infrastructure.

DXE-CAT Extenders

HDBaseT CAT Extenders

new

DXE-CAT Extenders

The DXE-CAT Extenders are part of Aurora's expanding Digital Xtreme Series, and the first of the new HDBaseT CAT extenders. The DXE-CAT Extenders powerful design provides usability and features not found anywhere else. Single-sided connections for LAN, HDMI, Control and Power provide a cleaner wiring and rack mounting solution. The Patents Pending design allows the system to be powered via POE or AC adapter from either side! With a single CAT 5e/6/7 cable, the DXE-CAT Extenders can go up to 330ft 1080p 60Hz 48bit color depth with bi-directional RS-232, IR, & LAN.

- Transmit HDMI up to 1080p 60Hz 48bit 330ft over one CAT 5e/6/7 cable
- Supports 4K x 2K
- HDMI 3D & Deep Color supported
- HDCP Compliant
- All connectors on one side for easier installation
- Bi-directional RS-232 & IR
- 2-port Ethernet switch (on Tx & Rx) with Ethernet pass-through (DXE-CAT-S2 / DXE-CAT-S2L only)
- Power both units from TX/RX side with with LAN POE or single external power supply (24vDC incl)
- LAN POE (Power-Over-Ethernet) can power both TX & RX without wall supplies (Patents Pending)
- Status LED for all connections on front
- Various mounting options
- Models Incl: DXE-CAT-S1 (70m), DXE-CAT-S2 (100m w/Ethernet), DXE-CAT-S2L (S2 with control)

DXE-CAT-S2L

HDBaseT CAT Extender with Integrated Control System

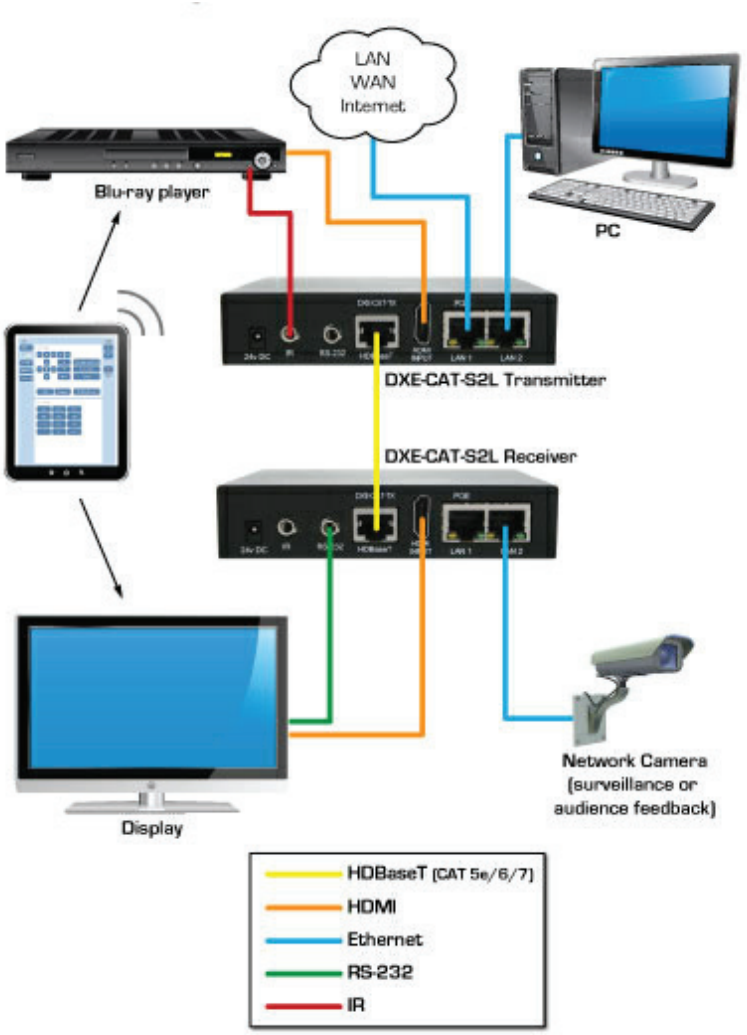
new

DXE-CAT-S2L

With Aurora's new DXE-CAT-S2L HDMI extenders the control system is built in to the extenders themselves.

Standard HDMI extenders only PASS RS232 and IR from an external control system. Our new Extenders GENERATE RS232 and IR locally at both ends eliminating the need for a traditional control system.

8MB of internal storage for hosting and serving a Web control page. All you need to control both the Source and the Display is any Web Browsing device whether it be an iPad, Android based tablet, Laptop or computer.



Aspyre Series

Fiber and VGA CAT Extenders

ASP-FIBRS2

- Multi-mode fiber to connect the local video source and remote peripherals at up to 1000ft [300 meters] distance
- HDCP compliant
- Supports maximum 1080p, 60Hz HDMI video resolution
- Provides Bi-Directional RS-232 communication
- Supports HDMI and DVI displays
- 850 nm Multimode Transceiver
- SC Duplex Connector
- 50/125 µm Fiber Optic Patch Cable

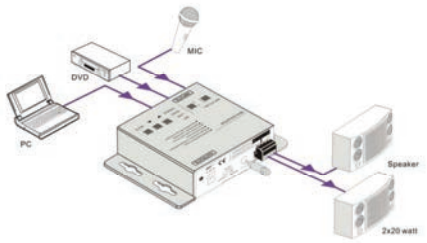
new

AS-CAT1-VGA

- Supports up to WUXGA [1920x1200@60] or UXGA [1600x1200@60Hz] to 1,000ft (330m)
- Supports 720p component video signal to 1,000ft (330m)
- Supports RS-232 half-duplex & bi-directional IR pass-through
- Supports analog stereo audio and digital S/PDIF stereo audio
- Video and audio local out on transmitting unit for easy monitoring
- Adjustable equalization and gain control on receiving unit for signal tuning
- De-skew compensation for RGB delay control
- Wall mounting case & interlocked power jack

Aspyre Series

Audio Processor/Analog Switcher

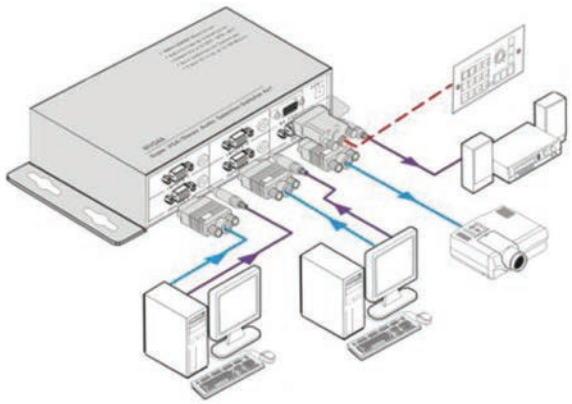


AS-AMP1

- 2x20 Watt @ 4 Ohm or 1x40 Watt @ 8 Ohm as the default amplifier output
- Microphone mixer function. The microphone will be mixed to the line audio, and can be separately controlled
- Two stereo audio inputs, switchable by button, IR remote or RS-232 remote
- RS-232 control with smart feedback
- LED indicator for power and working status

AS-41V

- 4x1 RGBHV/YPbPr Switcher
- Max Resolution 3200x2400 MHz
- Volume Control
- Bass & Treble Control
- Audio Break-away Switching
- H/V Sync Skew-free
- Front Button Control
- RS-232 Control



Aspyre Series

HDMI/DVI Splitters

POWER
HDMI4 HDMI3 INPUT HDMI2 HDMI1
HDMI1 HDMI2 INPUT HDMI3 HDMI4
5V
POWER
HDMI8 HDMI7 HDMI6 HDMI5 INPUT HDMI4 HDMI3 HDMI2 HDMI1
HDMI1 HDMI2 HDMI3 HDMI4 INPUT HDMI5 HDMI6 HDMI7 HDMI8
5V

ASP-14H/ASP-18H

The ASP-14H (1x4) and ASP-18H (1x8) HDMI 1.3 Distribution Amplifiers with EDID Manager provide the most robust, cost effective and advanced HDMI 1.3 splitter solutions on the market. With automatic EDID learning, the ASP-14H & ASP-18H will effectively avoid HDMI compatibility issues and offer the best HDMI support for HDMI splitters. They are compatible with PC resolutions up to 1920*1200@60Hz, 1080P, 2k and also support HDTV. With 12-bit deep color video and high definition audio support these splitters are suitable for high quality A/V broadcasting, digital signage and education applications.

- HDMI 1.3c and DVI 1.0 compliant
- HDCP 1.2 compliant
- 340MHz (up to 16 bit Y-U-V 444 supported @ 1080P)
- Video bandwidth: 10.2Gbps
- Front panel LED indicator shows the user the system & switching information
- Supports conversion of HDMI signalling to DVI
- Resolution up to 1080p or WUXGA (1920x1200@60)
- Automatic EDID learning
- Supports Dolby Digital, DTS-HD, and Dolby TrueHD audio formats
- Wall-mount housing design for easy installation

DXE-STH/HTS

SDI/HDMI Converter

new

DXE-STH

DXE-HTS

DXE-STH/HTS

The DXE-STH/HTS are professional broadcast video products capable of converting 3G-SDI, HD-SDI, & SD-SDI signals to HDMI, and vice versa. This allows viewing professional broadcast video components on industry standard consumer and commercial products such as flat screen displays, projectors, and more. The DXE-STH supports audio de-embedding and outputs to two RCA connectors, and the DXE-HTS supports audio embedding with stereo RCA line-level input connectors..

In addition, the DXE-STH has a re-clocked loop-through SDI for local monitor support and can also identify the input signal (HD or SD) indicating the result with a dual color status LED. RGB and YUV color space are also supported. The DXE-STH/HTS are a complete cost effective solution for SDI/HDMI conversion.

DXE-STH

- 3G/HD/SD SDI to HDMI
- 1-channel SDI signal re-clock loop-through
- Supports RGB and YUV color space
- 3G/HD/SD SDI (Auto Adaption)
- Dual Color Status LED
- Resolutions: 480i, 576i, 720p, 1080i, 1080p

DXE-HTS

- HDMI to 3G/HD/SD SDI
- 2-channel SDI signal output
- Supports RGB and YUV color space
- 3G/HD/SD SDI (Auto Adaption)
- Dual Color Status LED
- Resolutions: 480i, 576i, 720p, 1080i, 1080p

Aspyre Series

HDMI/DVI Converters

VGA/YPbPr to HDMI

ASP-VTH

- PC video supports up to UXGA (1600x1200) or WUXGA (1920x1200)
- Supports most popular VESA resolution from 640x480 up to WUXGA
- Front panel LED indicators

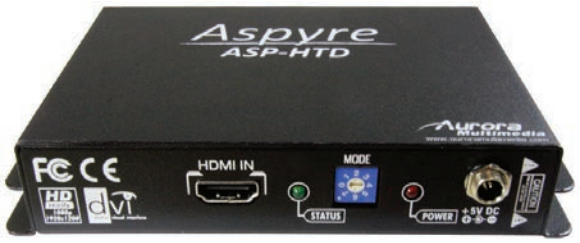
HDMI to VGA/YPbPr

ASP-HTV

- HDMI 1.2a & DVI 1.1 compliant
- HDMI video supports up to 1080p none HDCP
- Supports HD (1080i / 720p) component video output
- Supports up to UXGA (1600x1200@60) & WUXGA (1920x1200@60) PC graphics output
- Coaxial S/PDIF audio output
- Stereo analog audio output
- Front panel LED indicators and push button
- EDID learning ability

Aspyre Series

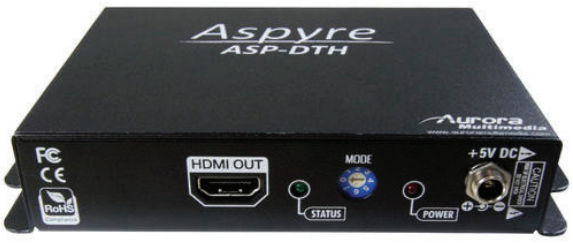
HDMI/DVI Converters



HDMI to DVI with Audio

ASP-HTD

- HDMI 1.2a compatible
- Fully HDCP compliant
- DVI video up to 165MHz
- Coaxial S/PDIF audio output
- Stereo analog audio output
- Front panel LED indicators



DVI with Audio and HDMI

ASP-DTH

- Fully HDCP compliant
- DVI video up to 165MHz
- Coaxial S/PDIF audio input
- Stereo analog audio input
- Front panel LED indicators

Aspyre Series

4x4 HDMI/DVI Matrix Switcher

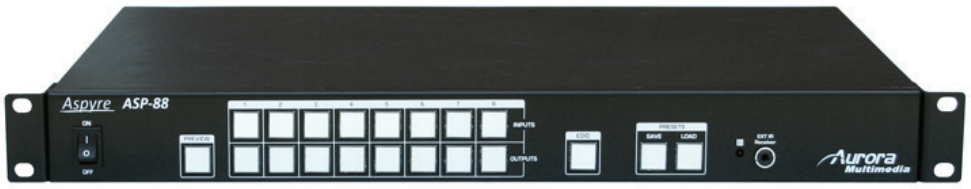
ASP-44

The ASP-44 4x4 HDMI™ 3D Deep Color Matrix provides the most flexible and cost effective solution in the market to route high definition video sources plus multi-channel (up to 7.1 channel) digital audio from any of the four HDMI sources to the any four displays at the same time. This solution is well suited for use in home theater, conference room presentation systems, or other similar setting or application

- 4x4 HDMI Matrix Switcher
- HDMI™ 3D Deep Color
- HDCP compliant and works on all Inputs/Outputs
- Dolby® Surround Sound
- Supports up to 7.1 Channel Audio
- EDID Learning
- Resolutions Input/Output up to 1080p
- Front Panel Control with Presets
- Rack Mountable 1RU
- RS-232 and IR Control
- Optional Ethernet Control

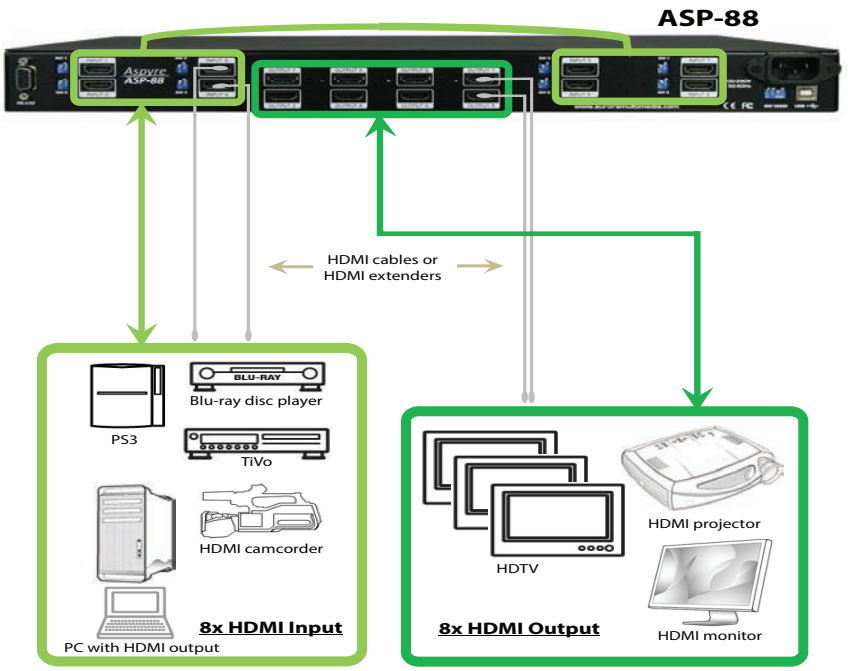
Aspyre Series

8x8 HDMI/DVI Matrix Switcher



ASP-88

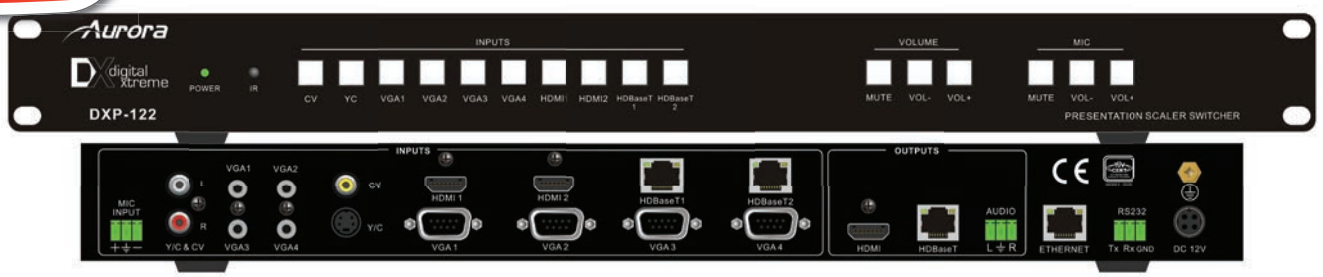
- 8x8 HDMI Matrix Switcher
- HDMI™ 3D Deep Color
- HDCP compliant and works on all Inputs/Outputs
- Dolby® Surround Sound
- Supports up to 7.1 Channel Audio
- EDID Learning
- Resolutions Input/Output up to 1080p
- Front Panel Control with Presets
- Rack Mountable 1RU
- RS-232 and IR Control
- Optional Ethernet Control



DXP-122

Presentation Scaler Switcher with HDBaseT

new



DXP-122

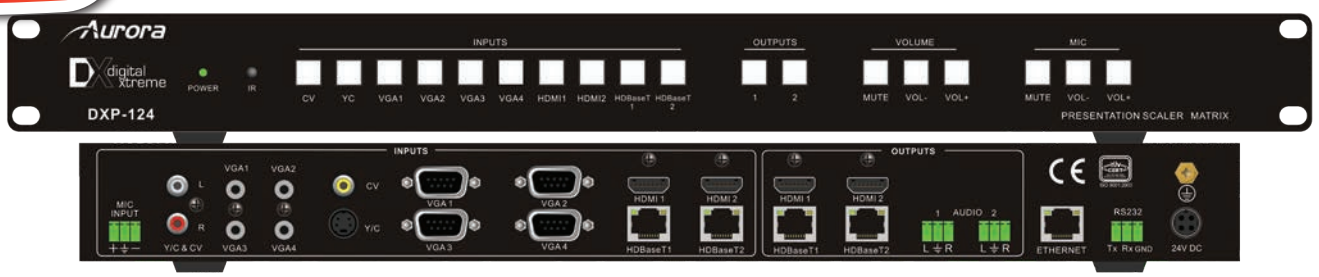
The DXP-122 is a presentation scaler switcher designed for multi-signal processing of Composite Video, S-Video, Component Video (YPbPr), VGA (Computer Graphics), HDMI, and HDBaseT inputs which can be scaled to 1080p in HDMI format. The HDBaseT inputs can remotely power and receive signals from HDMI extender transmitters like the DXE-CAT-TX1 or the DXW-3 HDMI / VGA wall plate.The DXP-122 has an HDMI and HDBaseT output pair to extend the HDMI up to 230ft [70m] at 1080p 60Hz with the RS-232 control. In addition, the microphone input is capable of ducking for paging systems to be mixed into the audio. Rounding out the capabilities is a picture in picture capability. RS-232 and LAN control make the DXP-122 a complete cost effective solution for commercial, education and conference room applications.

- Scales up to 1080p
- PiP (Picture in Picture)
- 2 HDMI Inputs
- 4 VGA / YPbPr Inputs
- 2 HDBaseT CAT Inputs (230ft 1080p @ 60Hz) Requires opt. DXE-CAT-TX1 or DXW-3
- 1 Video / S-Video with Stereo Audio Input
- 1 HDMI Output
- 1 HDBaseT Output with RS-232 Control Pass-through Requires opt. DXE-CAT-RX1
- HDBaseT Powers Rx/Tx Devices
- 1 Analog Stereo Audio Output
- 4 Additional Stereo Audio Inputs
- Audio Break-away Switching
- Balanced Microphone Line in with Ducking
- HDCP Compliant
- RS-232, LAN, & Front Panel Control

DXP-124

Presentation Scaler Matrix with HDBaseT

new



DXP-124

The DXP-124 is a presentation scaler matrix designed for multi-signal processing of Composite Video, S-Video, Component Video (YPbPr), VGA (Computer Graphics), HDMI, and HDBaseT inputs which can be scaled to 1080p in HDMI format. The HDBaseT inputs can remotely power and receive signals from HDMI extender transmitters like the DXE-CAT-TX1 or the DXW-3 HDMI / VGA wall plate. The DXP-124 has two HDMI and two HDBaseT outputs to extend the HDMI up to 230ft [70m] at 1080p 60Hz with the RS-232 control. The output pairs (HDMI / HDBaseT) are independent to each other allowing any input to be routed to any of the output pairs. In addition, the microphone input is capable of ducking for paging systems to be mixed into the audio. Rounding out the capabilities is a picture in picture capability. RS-232 and LAN control make the DXP-124 a complete cost effective solution for commercial, education, conference room and room-combining applications.

- Scales up to 1080p
- PiP (Picture in Picture)
- Outputs pairs are independent
- 2 HDMI Inputs
- 4 VGA / YPbPr Inputs
- 2 HDBaseT CAT Inputs*
(230ft 1080p @ 60Hz)
- 1 Video / S-Video with Stereo Audio Input
- 2 HDMI Output
- 2 HDBaseT Output with RS-232** Control Pass-through
- HDBaseT Powers Tx/Rx Devices
- 2 Analog Stereo Audio Output
- 4 Additional Stereo Audio Inputs
- Audio Break-Away switching
- Balanced Microphone Line in with Ducking
- HDCP Compliant
- RS-232, LAN, & Front Panel Control

* Requires DXE-CAT or DXW compatible Transmitters
** Requires DXE-CAT compatible Receivers

DXM Series

4x4 and 8x8 Card Cage Matrix

DXM-44 and DXM-88

The DXM-44 and DXM-88 are low cost digital media card cage matrix systems. The most prominent feature is the variety of input and cards. The Digital Xtreme Series has a variety of cards to choose from to simplify the installation and reduce the external component count. HDMI, DVI, HDSDI, VGA and HDBaseT CAT I/O cards are just some of the choices available. The DXM card frame can be controlled by RS-232 and has a redundant power supply option as well. The Digital Xtreme Series provides a flexibility ideal for commercial, house of worship, digital signage, education, military, and broadcast applications.

- 4x4 or 8x8 digital media card cage matrix systems
- 4 inputs/outputs per card
- 12.75Gbps backplane bandwidth per channel
- Front button control panel and LCD
- LAN and RS-232 control
- Power consumption: 15W (DXE-44), 30W (DXE-88)
- 1RU (DXE-44), 2RU (DXE-88) rack spaces

DXM Series

16x16 and 32x32 Card Cage Matrix

new

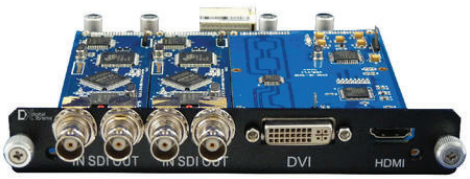
DXM-1616 and DXM-3232

The DXM-1616 and DXM-3232 are low cost digital media card cage matrix systems. The most prominent feature is the variety of input and cards. The Digital Xtreme Series has a variety of cards to choose from to simplify the installation and reduce the external component count. HDMI, DVI, HDSDI, VGA and HDBaseT CAT I/O cards are just some of the choices available. The DXM card frame can be controlled by RS-232 and has a redundant power supply option as well. The Digital Xtreme Series provides a flexibility ideal for commercial, house of worship, digital signage, education, military, and broadcast applications.

- 16x16 or 32x32 digital media card cage matrix systems
- 4 inputs/outputs per card
- 12.75Gbps backplane bandwidth per channel
- Front button control panel and LCD
- LAN and RS-232 control
- Power consumption: 50W (DXE-1616), 80W (DXE-3232)
- 5RU (DXE-1616), 6RU (DXE-3232) rack spaces

DXM Cards

Input/Output Cards



DXCI-4-2S1H1D

DXCI-4-2AV1H1D

DXCI-4-HDMI

DXCI-3-DVI

DXCI-4-CAT1

DXCI-4-AV

DXCI-4-3GSDI

DXC Input:

- DXCI-4-HDMI (4 HDMI Inputs)
- DXCI-4-DVI (4 DVI Inputs)
- DXCI-4-3GSDI (4 3G/HD/SD SDI Inputs)
- DXCI-4-CAT1 (HDBaseT - 70m) w/ RS-232 control
- DXCI-4-CAT2 (HDBaseT - 100m) w/ RS-232 control
- DXCI-3-DVI (3 DVI Inputs)
- DXCI-4-2S1H1D (2 3G/HD/SD SDI, 1 HDMI, 1 DVI Inputs)
- DXCI-4-2V1H1D (2 VGA with Audio, 1 HDMI, 1 DVI Inputs)
- DXCI-4-AV (4 Composite Video with Audio Inputs)
- DXCI-4-VGA (4 VGA with Audio Inputs)
- DXCI-4-YPbPr (4 YPbPr with Audio Inputs)

DXC Output:

- DXCO-4-HDMI (4 HDMI Outputs)
- DXCO-4-CAT1 (HDBaseT - 70m) w/ RS-232 control
- DXCO-4-CAT2 (HDBaseT - 100m) w/ RS-232 control

DXM Series

6 Slot, 24 I/O Card Cage

new

DXM-24

The DXM-24 is a broadcast ready digital media card cage matrix system. It utilizes 3G-SDI input and output cards, as well as HDMI output cards.

The DXM-24 has 6 card slots, with 4 channels per card. 2 of the slots are dedicated outputs, while the other 4 can be dynamically configured as inputs or outputs. This allows for different input/output configurations such as 12x12, 4x20, 16x8, etc.

The DXM card frame can be controlled by RS-232 and has a redundant power supply option as well. The Digital Xtreme Series provides a flexibility ideal for commercial, education, broadcast, and house of worship applications.

- 24 channels for a variety of input/output configurations
- Inputs/Outputs - 6 slots, 4 channels per slot (2 slots dedicated to outputs)
- 12.75Gbps backplane bandwidth per channel
- Front button control panel and LCD
- LAN and RS-232 control

Aurora Multimedia Corp.

205 Commercial Court
Morganville, NJ 07751
(732) 591-5800

www.auroramm.com